

WELL CONSTRUCTION LOG



BOREHOLE NUMBER MW-17		PROJECT NAME Unocal No. 762248		LOCATION 359 Main Street		ENSR Corporation, Inc. 10411 Old Placerville Road Suite 210 Rancho Cordova, Ca. 95827 916-362-7100 www.ensr.com	
PROJECT NUMBER 06940-407-120		DRILLING CONTRACTOR / DRILLER Woodward Drilling Co. / V. Lenoard		LOGGED BY W. Speth			
DRILLING EQUIPMENT / METHOD B-81 / Hollow Stem Auger		BIT SIZE / BIT TYPE 14.25-Inch / Auger		SAMPLING METHOD Split Spoon		START-FINISH DATE 12/20/04 - 12/22/04	
CASING MATL. / DIAMETER SCH 40 PVC/2-Inch		SCREEN: TYPE Machine Slot MATL. PVC		TOTAL LENGTH 10		DIA. 2-Inch SLOT SIZE 0.020	
ELEVATION OF: (FT.)		GROUND SURFACE		TOP OF WELL CASING		TOP & BOTTOM SCREEN	
NORTHING 2108925.1		EASTING 5960659.3		LATITUDE 40.5990247		LONGITUDE -124.164666	
DATE						DATUM	

Depth (feet)	Graphic Log	Visual Description	Blow Counts	Depth (feet)	Sample ID	OVM Values (ppm)
0	12-Inch Morrison Well Box	CONCRETE				
5	2 INCH DIAMETER FLUSH THREADED SCH 40 PVC RISER	SILTY CLAY: yellowish-brown to reddish-brown, low plasticity, moist, very stiff. (CL-ML)		5		
10	8-5/8 INCH DIAMETER STEEL CONDUCTOR CASING	FAT CLAY: tan to reddish-brown, medium to high plasticity, moist, hard. (CH)		10		
15		SILTY SAND WITH GRAVEL: yellowish-brown fine to medium grained sand, 1/4 to 3/8 inch diameter subangular to subrounded gravel, wet, very dense. (SM)	10 50-5"	15	MW-17-11.5	386
20		CLAYEY SAND: yellowish-brown, to reddish-brown, fine to medium grained sand, non-plastic, moist, very dense. (SC)	15 50-4"	20	MW-17-12.5	45.2
25		SILT: yellowish-brown to reddish-brown, non-plastic, moist to wet, hard. (ML)	10 15 16 30 12 12	25	MW-17-15	48
30		CLAYEY SAND: tan to brown with oxide stained mottling fine to medium grained sand, trace coarse sand and gravel 3/8 diameter, non-plastic, moist, very dense. (SC)	12 23 12 18 24	30	MW-17-17	47
35		SILT: yellowish-brown to reddish-brown, non-plastic, moist to wet, hard. (ML)	12 20 15 26 12 20 50-4"	35	MW-17-19	47.6
40		BENTONITE		40	MW-17-21	
		SAND No. 2/12			MW-17-23	117
		CLAYEY SAND: yellowish-brown to reddish-brown, fine and coarse grained sand, 3/8 to 3/4 inch diameter subangular to subrounded gravels, saturated, very dense. (SC)			MW-17-25	37
		POORLY GRADED SAND: dark brown-black, fine to medium grained sand, saturated, very dense. (SP)				
		2 INCH DIAMETER SCH 40 PVC 0.020 MACHINE SLOTTED CASING				
		FLUSH THREADED BOTTOM CAP				
		Bottom of borehole at 40 feet.				

WELL CONSTRUCTION/ SOIL BORING LOG 06940-407-UNOCAL 762248.GPJ ENSR CA.GDT 2/14/05